

Robert A Weller

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,716
citations

331670

21
h-index

414414

32
g-index

36
all docs

36
docs citations

36
times ranked

2465
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Exchange of Momentum over the Open Ocean. <i>Journal of Physical Oceanography</i> , 2013, 43, 1589-1610.	1.7	515
2	Case analysis of a role of ENSO in regulating the generation of westerly wind bursts in the Western Equatorial Pacific. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	97
3	Estimation of ocean subsurface thermal structure from surface parameters: A neural network approach. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	95
4	Accuracy of the IMET Sensor Package in the Subtropics. <i>Journal of Atmospheric and Oceanic Technology</i> , 2009, 26, 1867-1890.	1.3	85
5	The IMET (Improved Meteorology) Ship and Buoy Systems. <i>Journal of Atmospheric and Oceanic Technology</i> , 1995, 12, 527-540.	1.3	75
6	Air-Sea Interaction in the Bay of Bengal. <i>Oceanography</i> , 2016, 29, 28-37.	1.0	70
7	Autonomous seawater pCO_2 and pH time series from 40 surface buoys and the emergence of anthropogenic trends. <i>Earth System Science Data</i> , 2019, 11, 421-439.	9.9	69
8	Using present-day observations to detect when anthropogenic change forces surface ocean carbonate chemistry outside preindustrial bounds. <i>Biogeosciences</i> , 2016, 13, 5065-5083.	3.3	60
9	The Ocean Observatories Initiative. <i>Oceanography</i> , 2018, 31, 16-35.	1.0	57
10	Variability and trends in surface seawater pCO_2 and CO_2 flux in the Pacific Ocean. <i>Geophysical Research Letters</i> , 2017, 44, 5627-5636.	4.0	55
11	The variability and heat budget of the upper ocean under the Chile-Peru stratus. <i>Journal of Marine Research</i> , 2007, 65, 607-637.	0.3	53
12	The Ocean Observatories Initiative. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	43
13	A Surface Mooring for Air-Sea Interaction Research in the Gulf Stream. Part II: Analysis of the Observations and Their Accuracies. <i>Journal of Atmospheric and Oceanic Technology</i> , 2013, 30, 450-469.	1.3	38
14	Extreme Variability in Irminger Sea Winter Heat Loss Revealed by Ocean Observatories Initiative Mooring and the ERA5 Reanalysis. <i>Geophysical Research Letters</i> , 2019, 46, 293-302.	4.0	36
15	A Surface Mooring for Air-Sea Interaction Research in the Gulf Stream. Part I: Mooring Design and Instrumentation. <i>Journal of Atmospheric and Oceanic Technology</i> , 2012, 29, 1363-1376.	1.3	35
16	Episodic Southern Ocean Heat Loss and Its Mixed Layer Impacts Revealed by the Farthest South Multiyear Surface Flux Mooring. <i>Geophysical Research Letters</i> , 2018, 45, 5002-5010.	4.0	34
17	Sea surface temperature signatures of oceanic internal waves in low winds. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	31
18	Constraining Southern Ocean Air-Sea-Ice Fluxes Through Enhanced Observations. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	31

#	ARTICLE	IF	CITATIONS
19	Intraseasonal variability near 10°N in the eastern tropical Pacific Ocean. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	30
20	Climatology of Surface Meteorology, Surface Fluxes, Cloud Fraction, and Radiative Forcing over the Southeast Pacific from Buoy Observations. <i>Journal of Climate</i> , 2009, 22, 5527-5540.	3.2	29
21	Moored surface buoy observations of the diurnal warm layer. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 4553-4569.	2.6	25
22	Eddies and an extreme water mass anomaly observed in the eastern south Pacific at the Stratus mooring. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 1068-1083.	2.6	22
23	Variability and Trends in Surface Meteorology and Air–Sea Fluxes at a Site off Northern Chile. <i>Journal of Climate</i> , 2015, 28, 3004-3023.	3.2	21
24	Seasonality and Buoyancy Suppression of Turbulence in the Bay of Bengal. <i>Geophysical Research Letters</i> , 2019, 46, 4346-4355.	4.0	17
25	The Land–Sea Breeze of the Red Sea: Observations, Simulations, and Relationships to Regional Moisture Transport. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 13803-13825.	3.3	16
26	100 Years of Progress in Ocean Observing Systems. <i>Meteorological Monographs</i> , 2019, 59, 3.1-3.46.	5.0	15
27	Evaluating Surface Radiation Fluxes Observed From Satellites in the Southeastern Pacific Ocean. <i>Geophysical Research Letters</i> , 2018, 45, 2404-2412.	4.0	14
28	Moored Observations of the Surface Meteorology and Air–Sea Fluxes in the Northern Bay of Bengal in 2015. <i>Journal of Climate</i> , 2019, 32, 549-573.	3.2	14
29	Upper layer thermohaline structure of the Bay of Bengal during the 2013 northeast monsoon. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 172, 104630.	1.4	12
30	Observations of internal bores and waves of elevation on the New England inner continental shelf during summer 2001. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	10
31	Phytoplankton bloom phenomena in the North Atlantic Ocean and Arabian Sea. <i>ICES Journal of Marine Science</i> , 2015, 72, 2021-2028.	2.5	8
32	Not so quiet on the ocean front. <i>Nature</i> , 1990, 348, 199-200.	27.8	4
33	Overview of the Physical Oceanography Report. <i>Reviews of Geophysics</i> , 1991, 29, 555-556.	23.0	0
34	Moorings. , 2019, , 133-149.		0
35	Longwave Radiation Corrections for the OMNI Buoy Network. <i>Journal of Atmospheric and Oceanic Technology</i> , 2022, 39, 271-282.	1.3	0